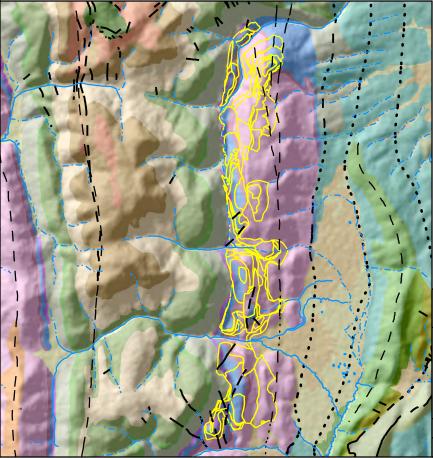


## **EXPLANATION FOR GEOLOGIC MAP**

## **Geologic Map Units and Symbols**

Age	Formation	Map Symbo	ol	Description
		Qt		Travertine
Quaternary		Qc		Colluvium
		Qal		Alluvium
Tertiary	Salt Lake	Tsl		Salt Lake Formation
	Unconformity			
Jurassic	Nugget Sandstone	Jn		Nugget Sandstone
Triassic		Trtpu		Upper Portneuf Limestone Member
		Tral		Ankareh Formation - Lane Tongue
		Trtpl		Lower Portenuf Limestone Member
	Thaynes	Trtc		Thaynes C Member
		Trtb		Thaynes B Member
		Trta		Thaynes A Member
	Dinwoody	Trdu		Upper Dinwoody Formation
	Woodside	Trw		Woodside Formation
	Dinwoody	Trdl		Lower Dinwoody Formation
Permian	Phosphoria	Ppc		Cherty Shale Member
		Ppr		Rex Chert Member
		Ppm		Meade Peak Member
Pennsylvanian/Permian	Park City & Wells	Ppwu		Grandeur Member of Park City Formation and Upper Wells Formation
	Wells	Ppwl		Lower Wells Formation



## **Geologic Map Symbols**

Contact (Dashed where inferred, dotted where buried)

Normal Fault (Dashed where inferred, dotted where buried)

Thrust Fault (Dashed where inferred, dotted where buried)

-Syncline Axis

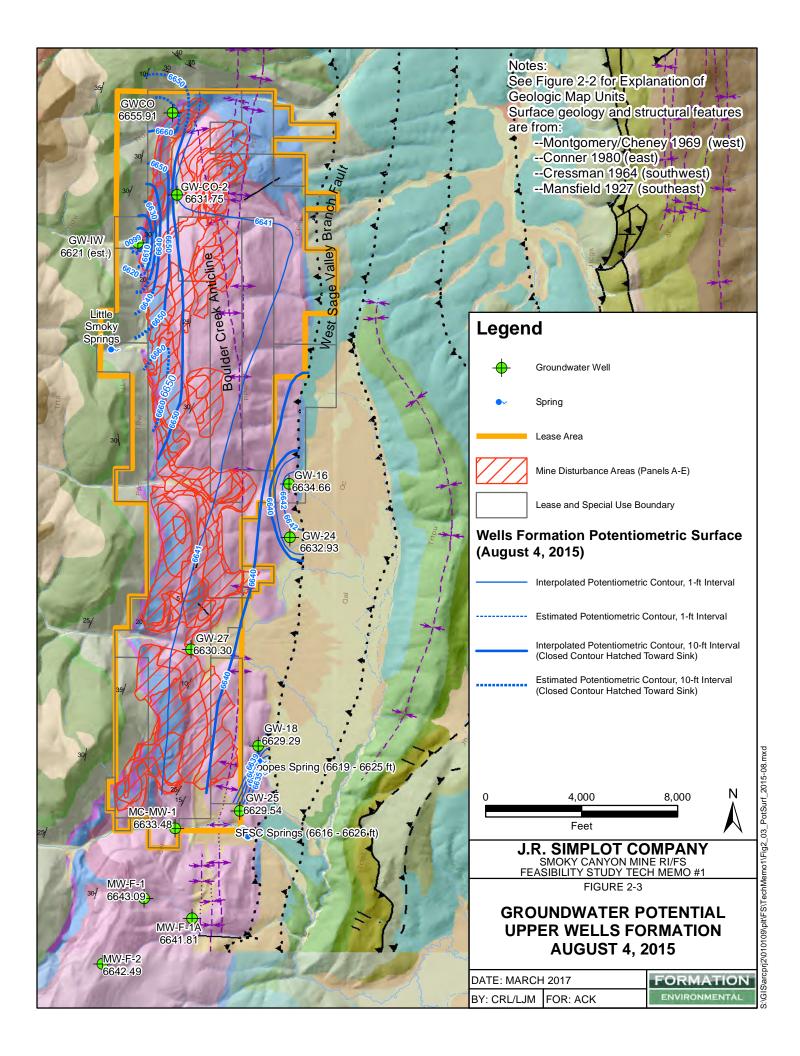
-Anticline Axis

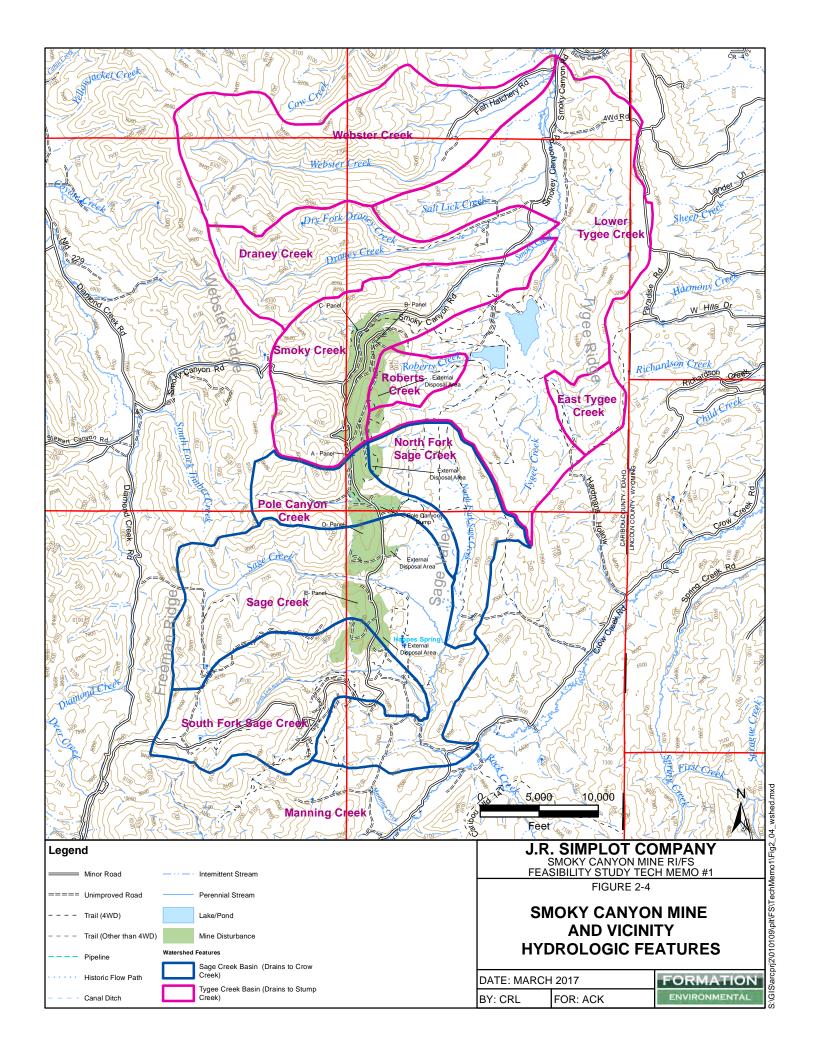
J.R. SIMPLOT COMPANY
SMOKY CANYON MINE RIFS
FEASIBILITY STUDY TECH MEMO #1

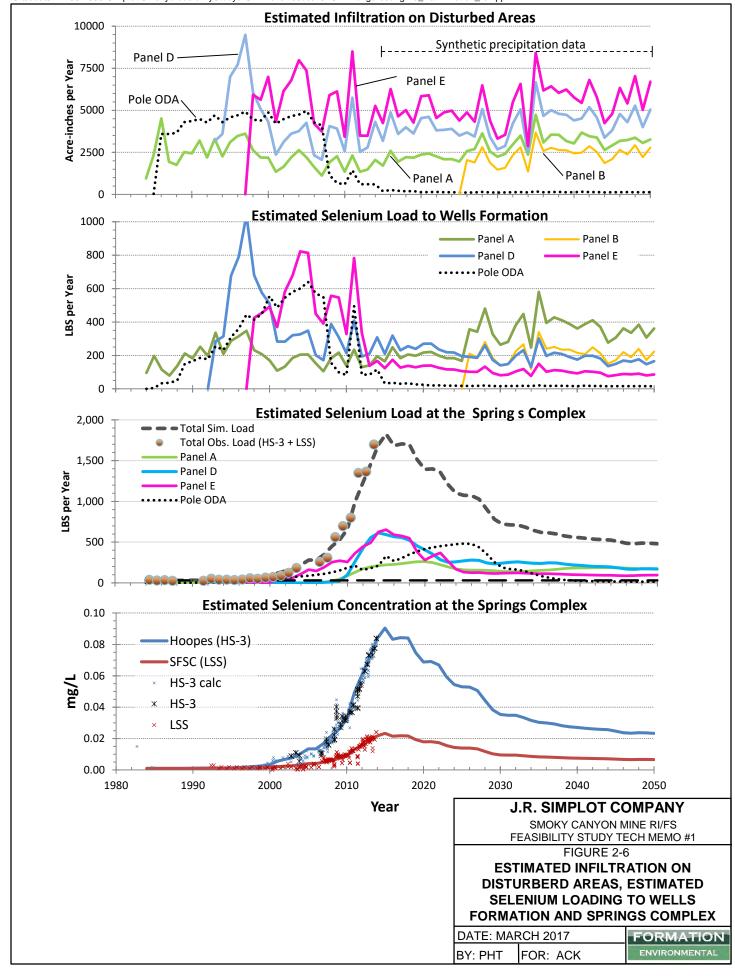
FIGURE 2-2

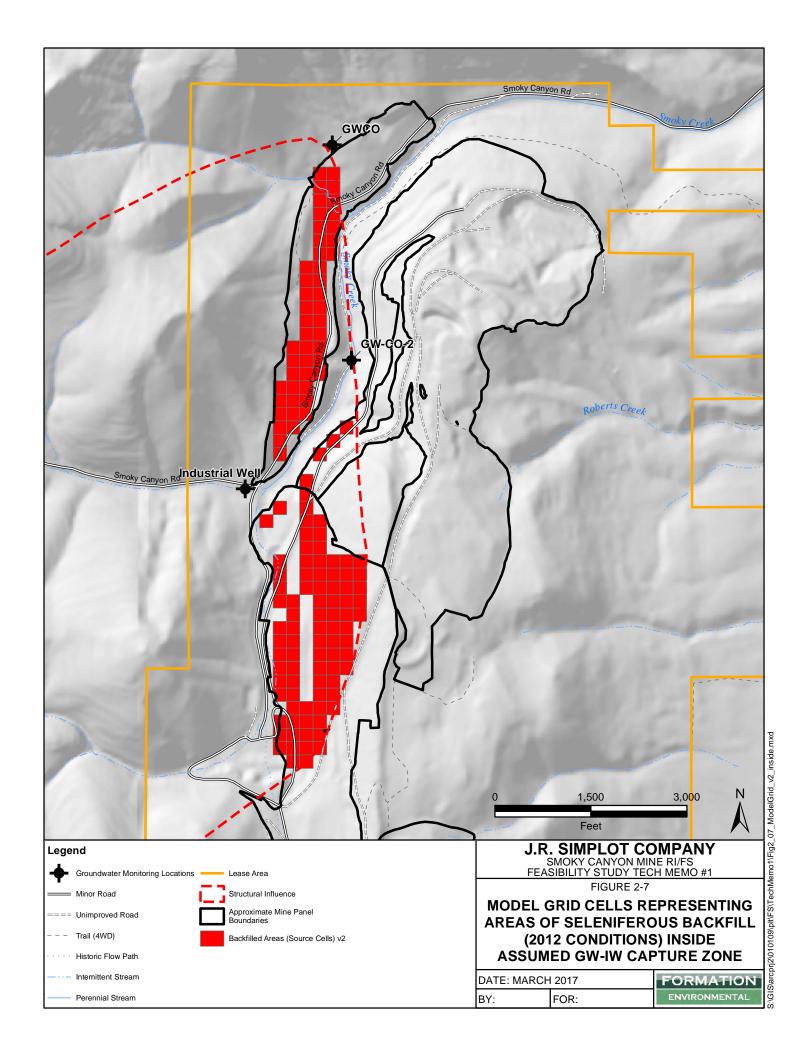
## **EXPLANATION FOR GEOLOGIC MAP**

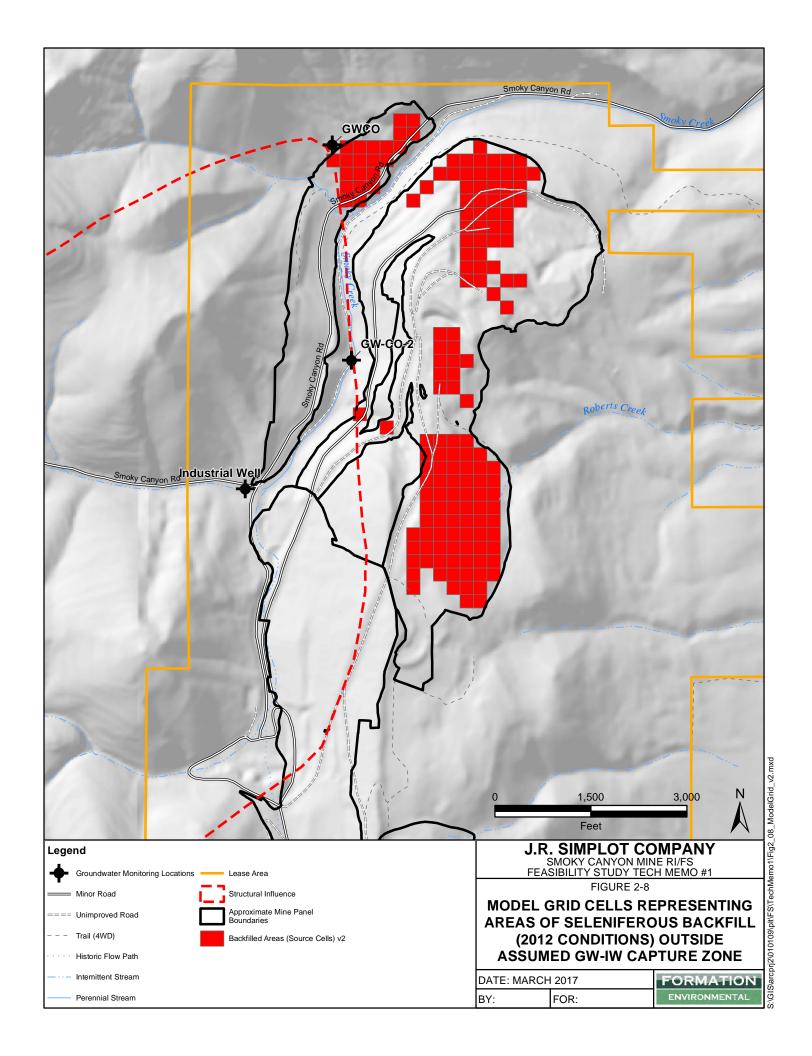
DATE: MARCH	I 2017	FORMATION
BY: CRI	FOR: ACK	ENVIRONMENTAL

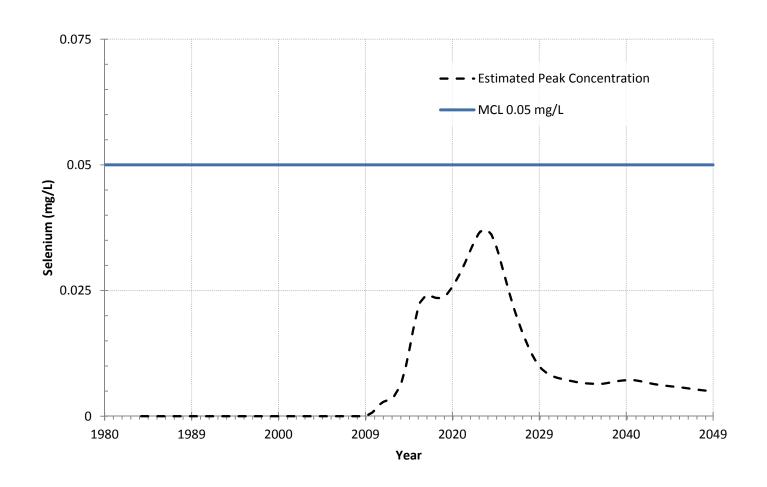












### J.R. SIMPLOT COMPANY

SMOKY CANYON MINE RI/FS FEASIBILITY STUDY TECH MEMO #1

FIGURE 2-9

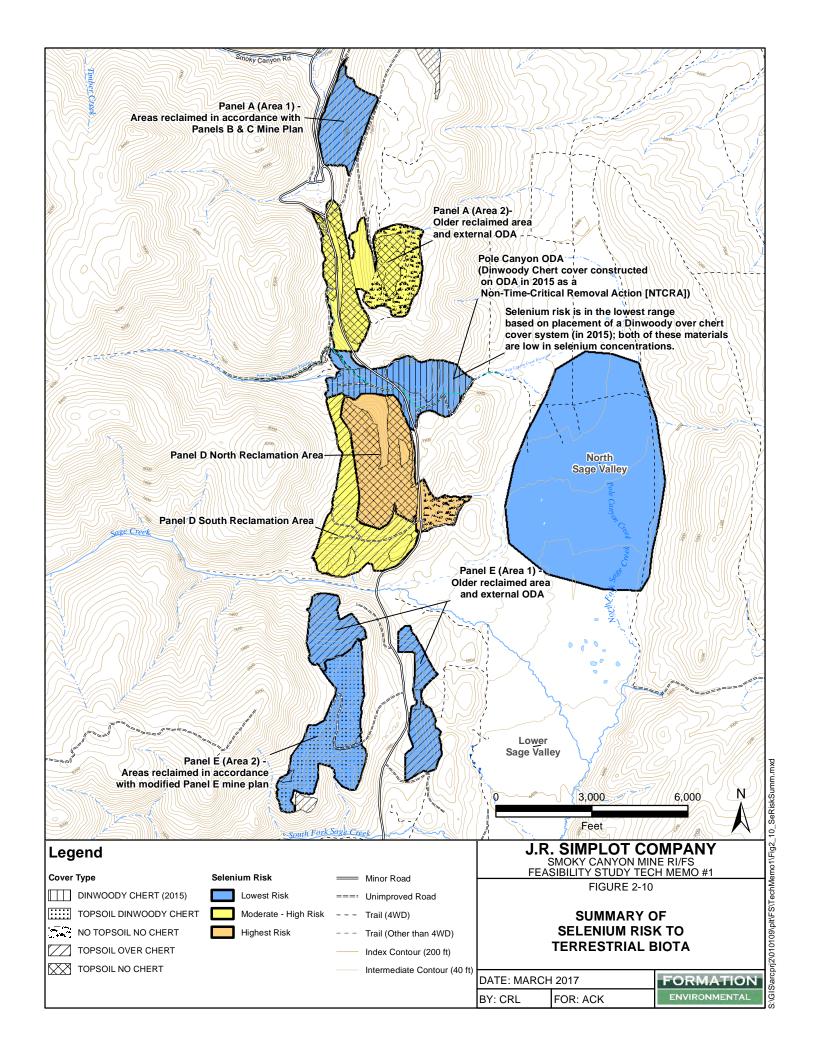
POTENTIAL SELENIUM CONCENTRATION IN GROUNDWATER AT THE NORTHERN LEASE BOUNDARY

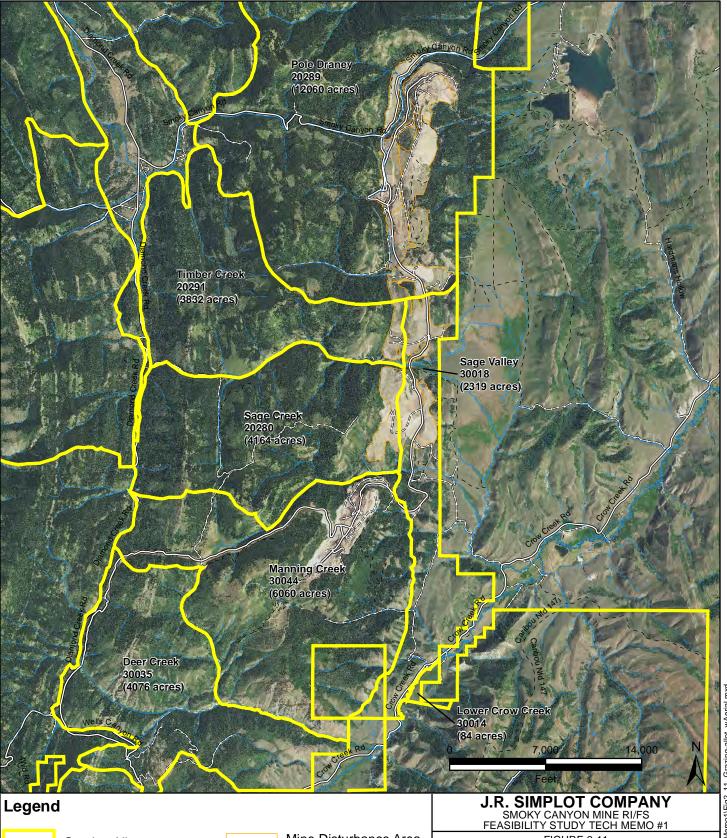
DATE: MARCH 2017

BY: PHT

FOR: ACK







Grazing

**Grazing Allotment** 

Perennial Stream

Intermittent Stream

Mine Disturbance Area (Panels A-E)

Allotments in vicinity of Smoky Canyon Mine are labeled. Source: U.S. Forest Service (USFS). 2008. Range allotments shapefile - in Geographic Information System (GIS) coverages provided by Caribou National Forest, via e-mail. April 2008.

Aerial Source: 2013 NAIP photo from USDA

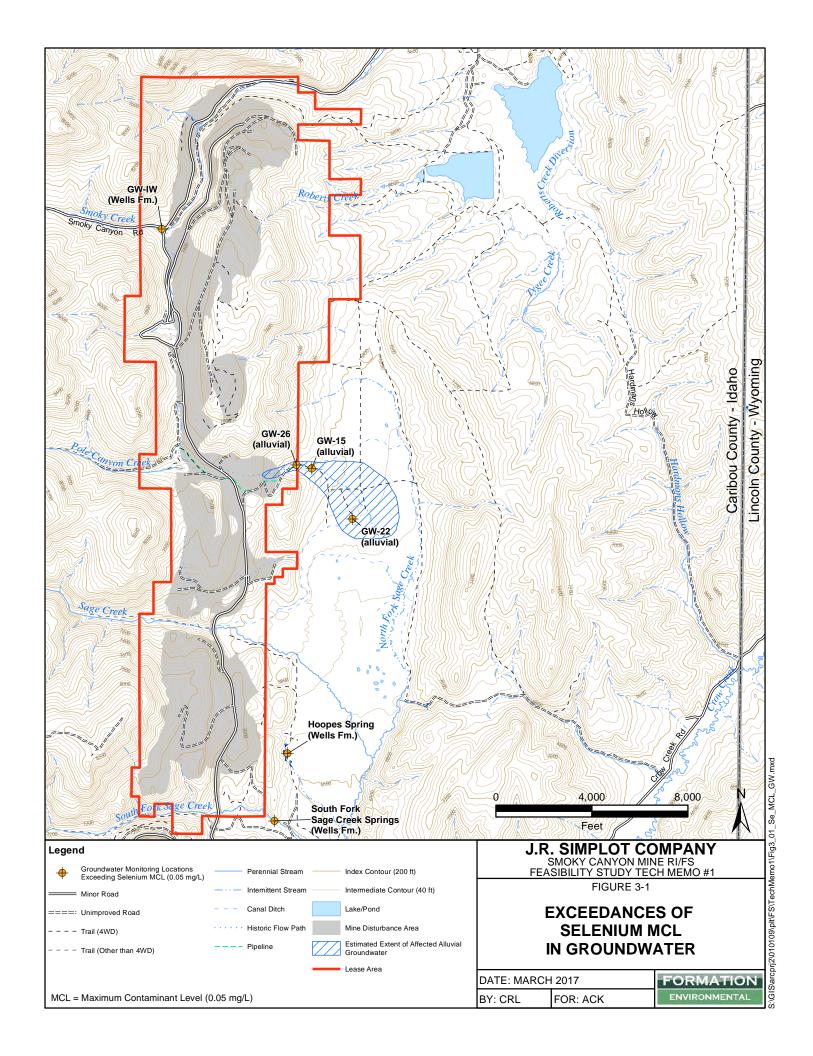
FIGURE 2-11

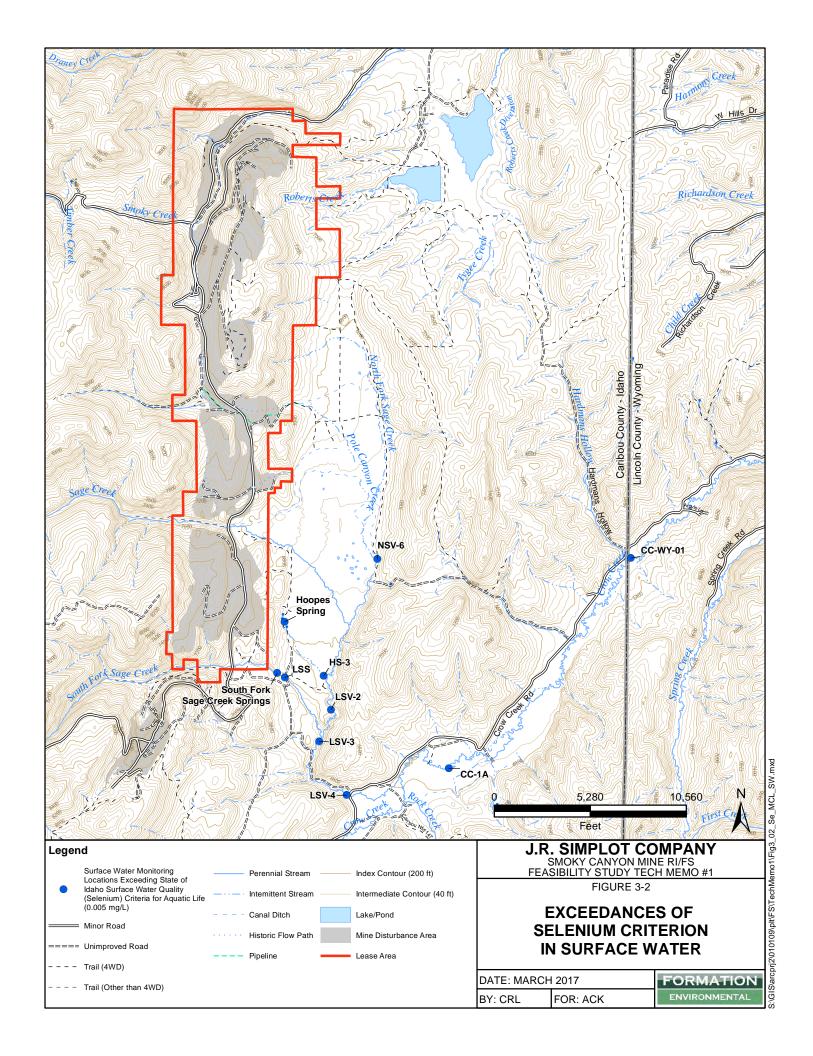
# USFS GRAZING ALLOTMENTS - WITH SATELLITE IMAGERY

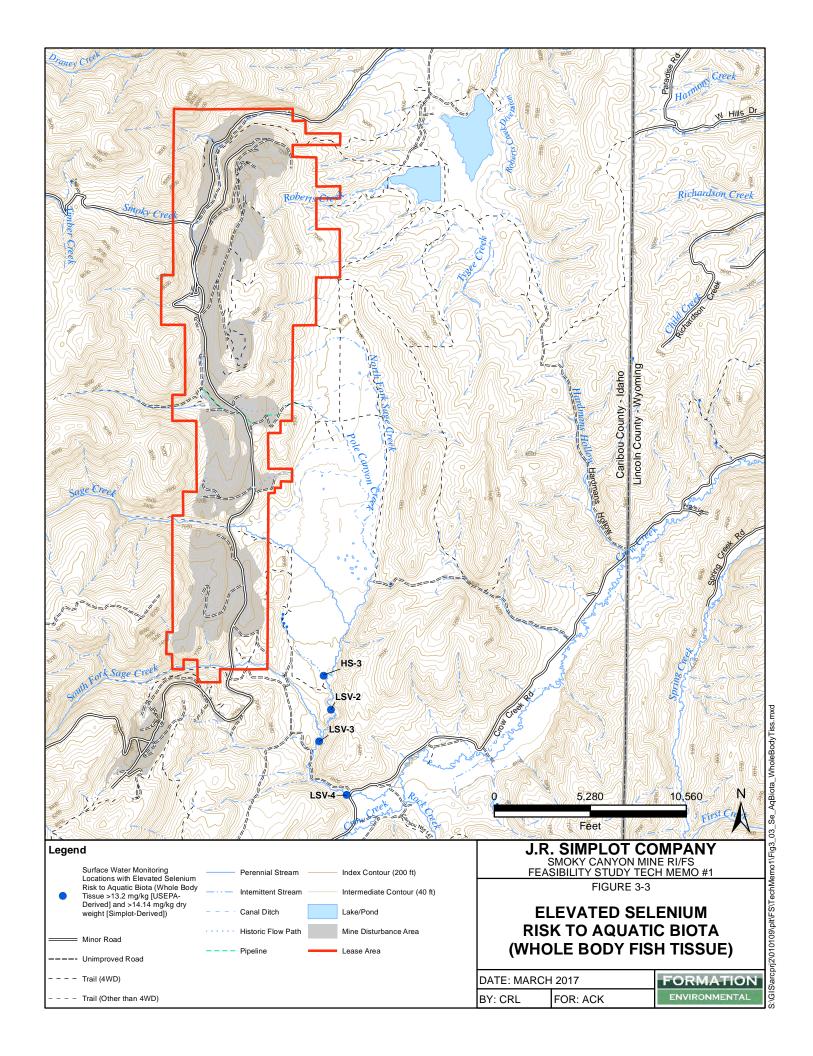
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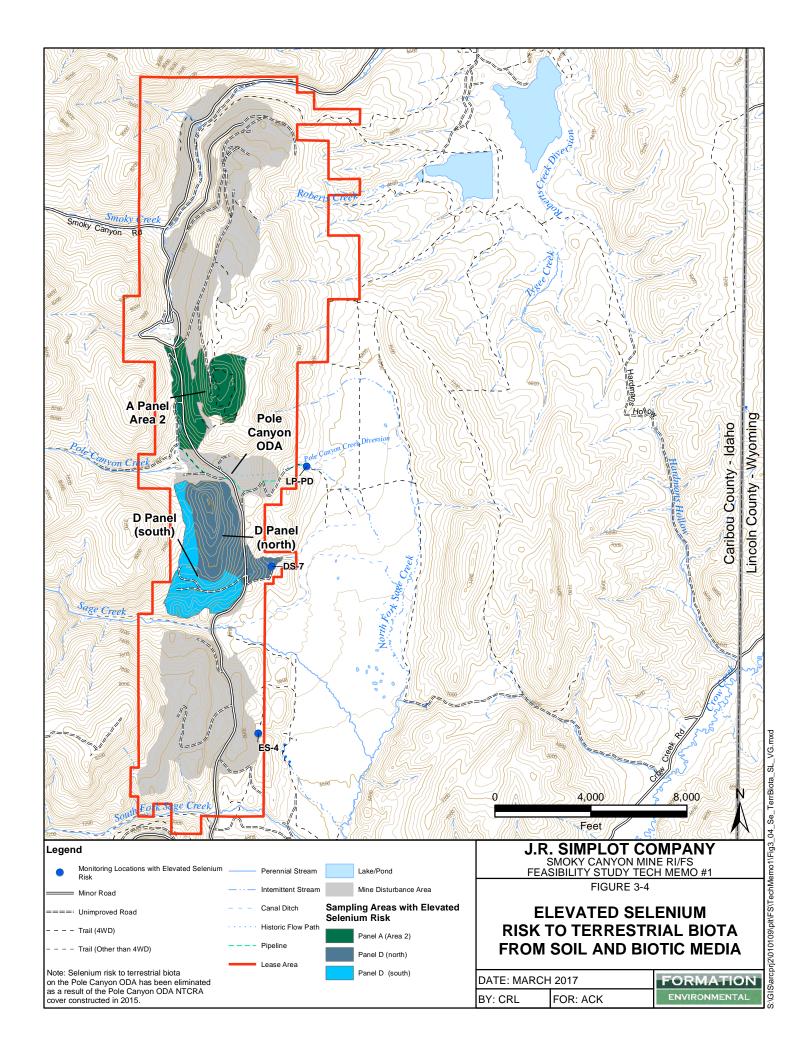
FOR: ACK FORMATION

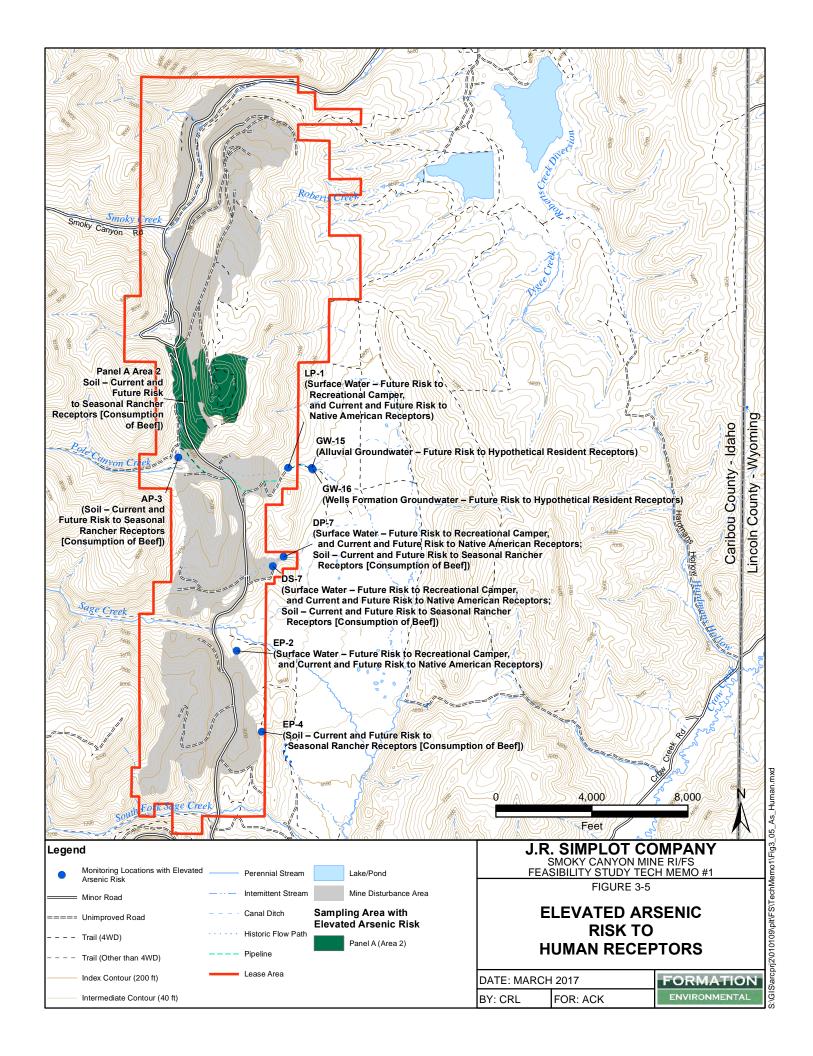
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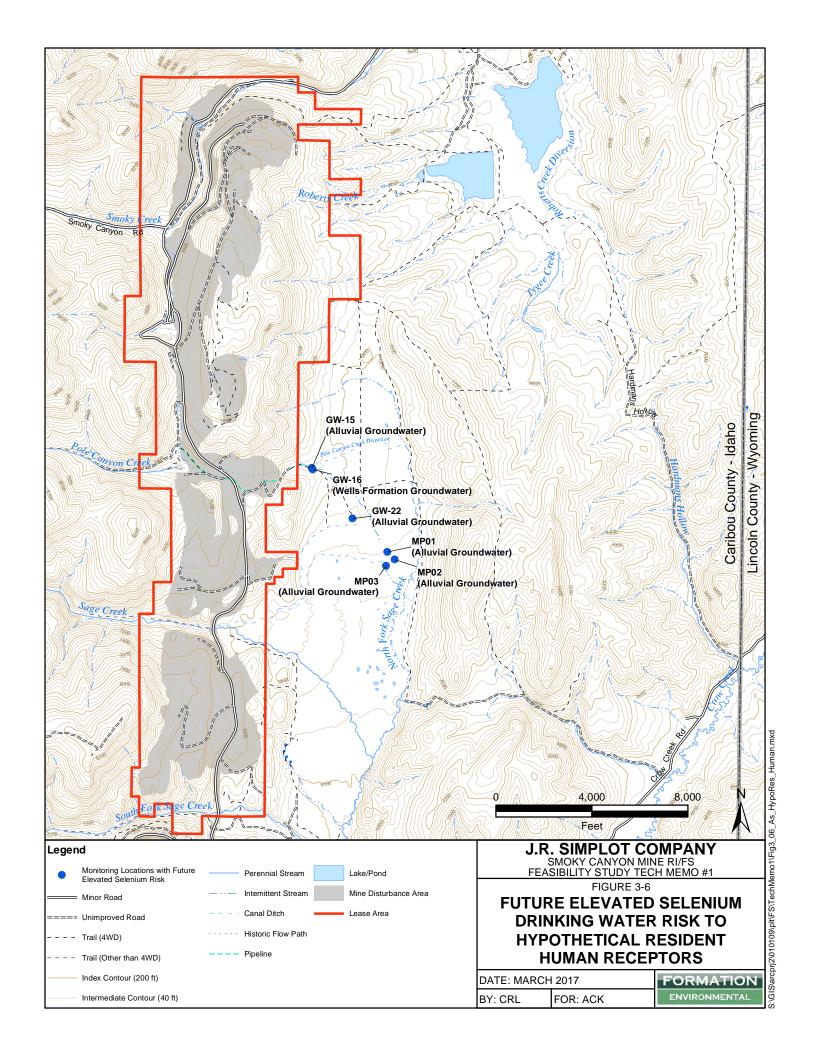


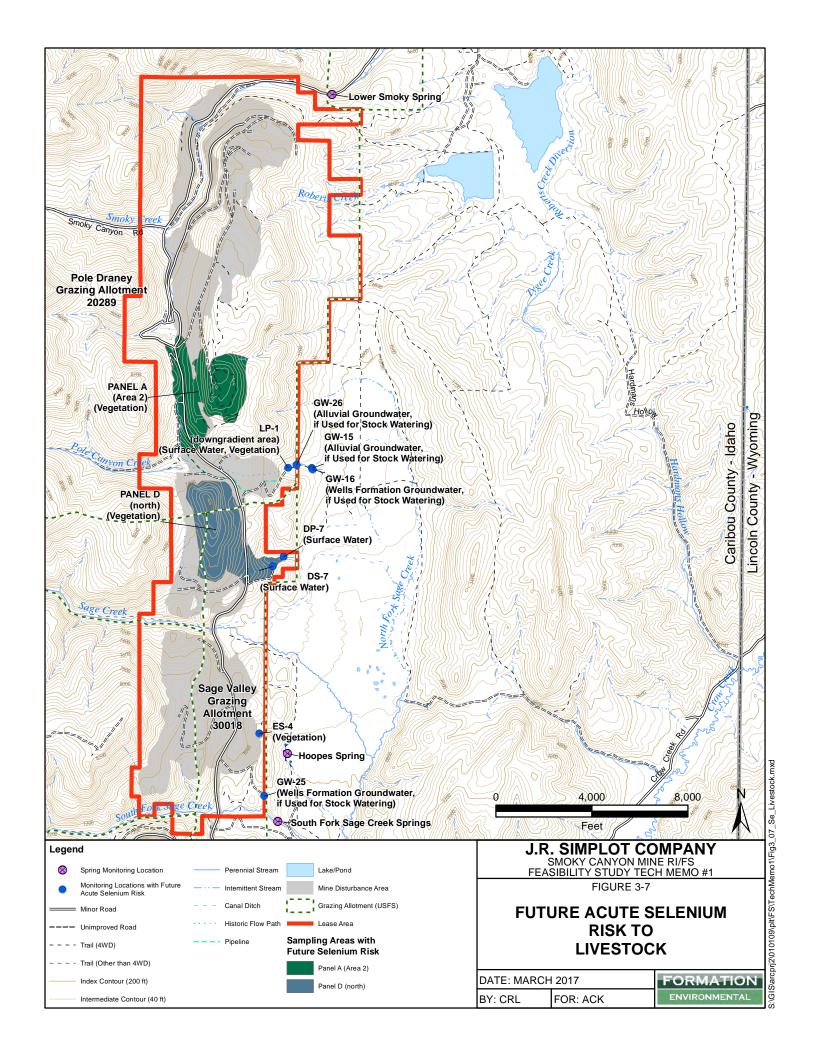


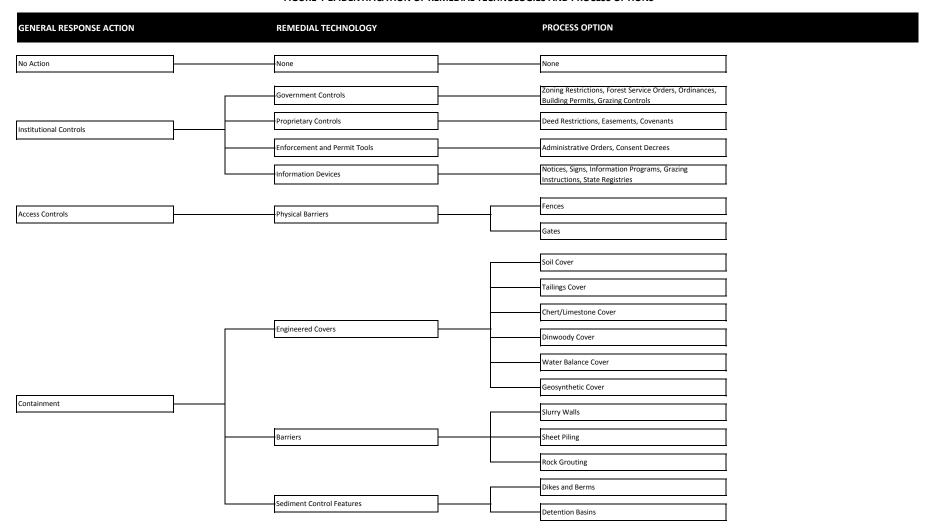


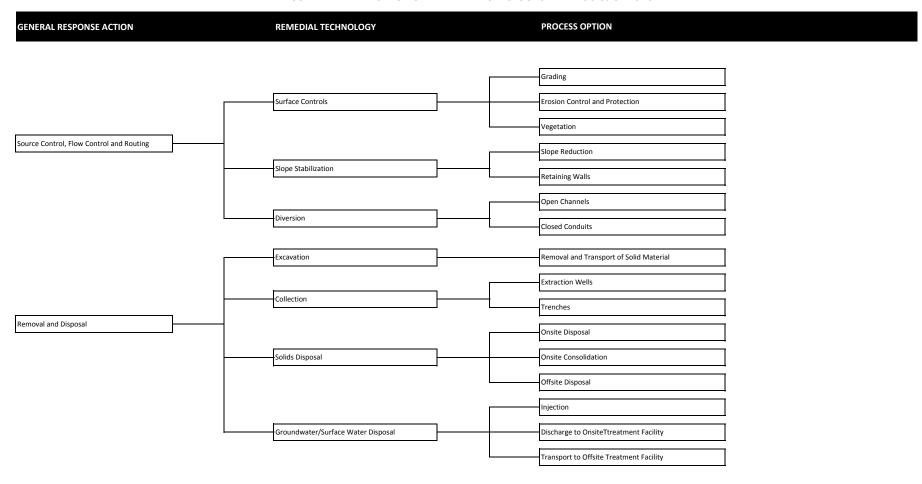


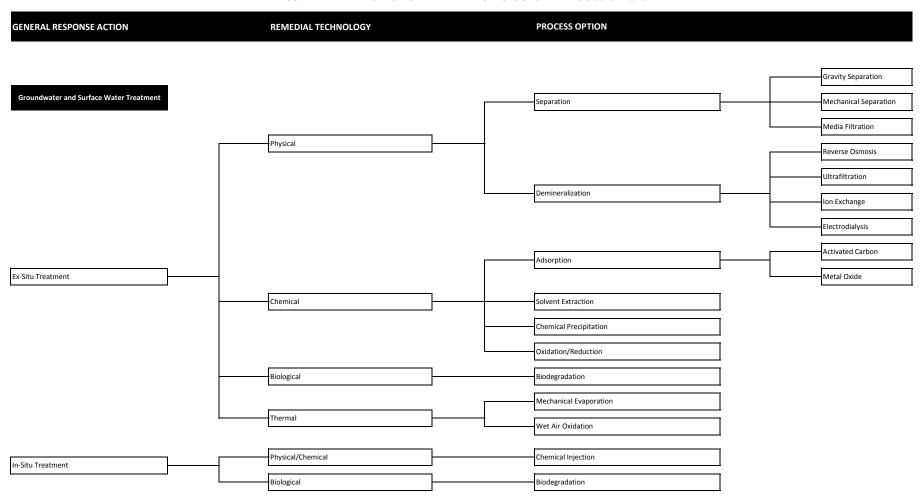


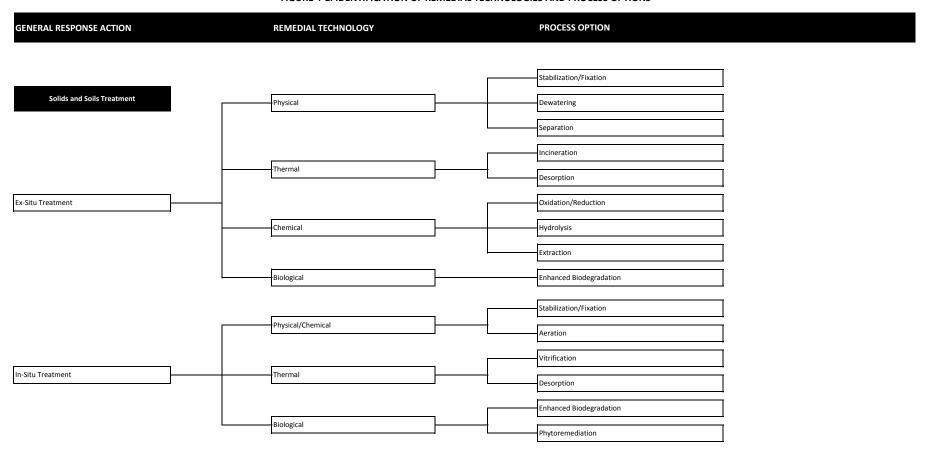


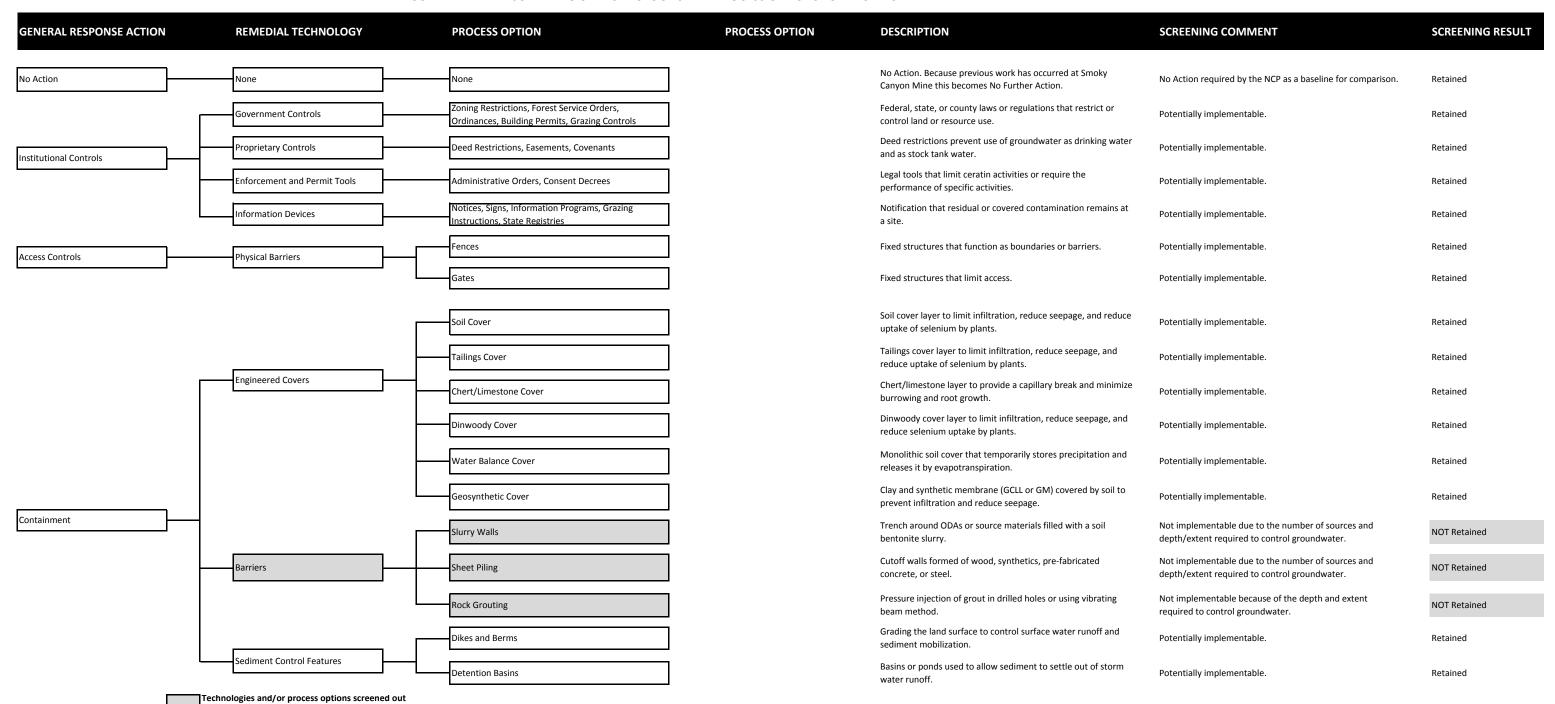


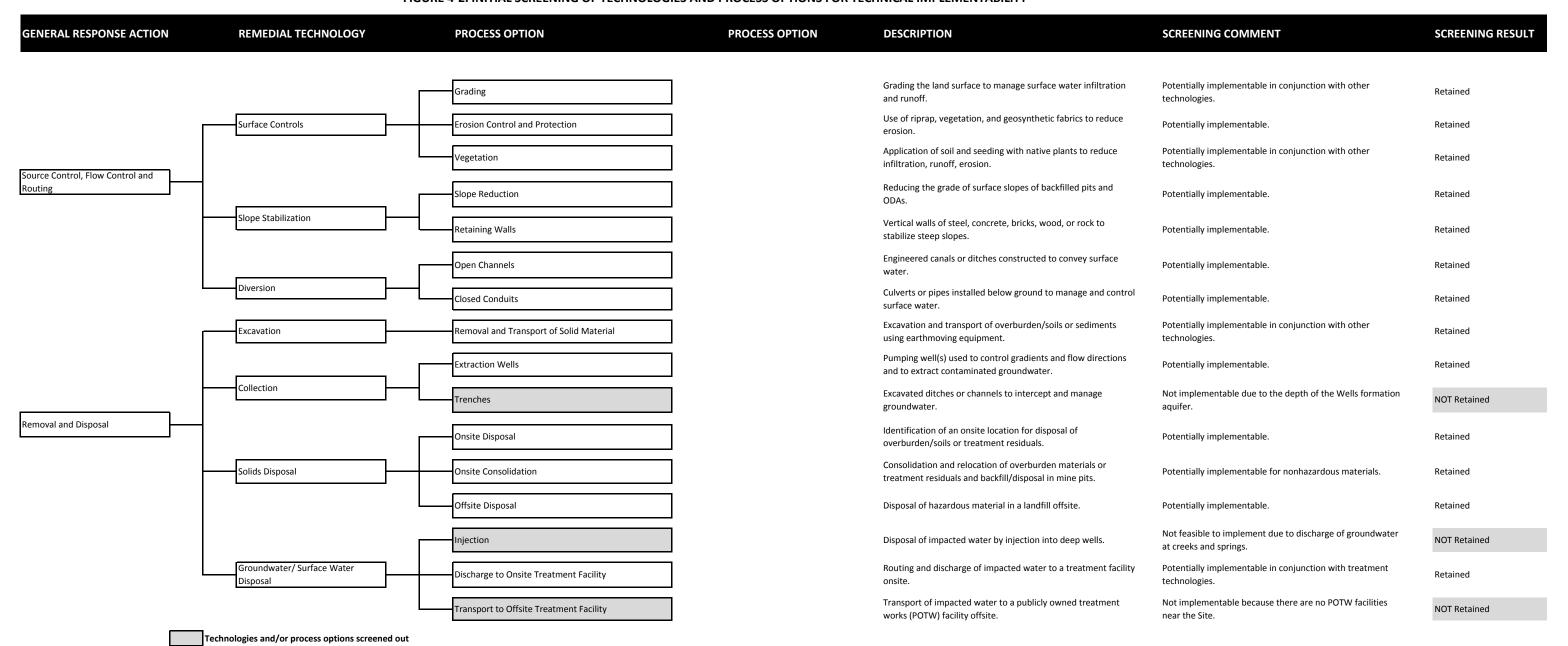


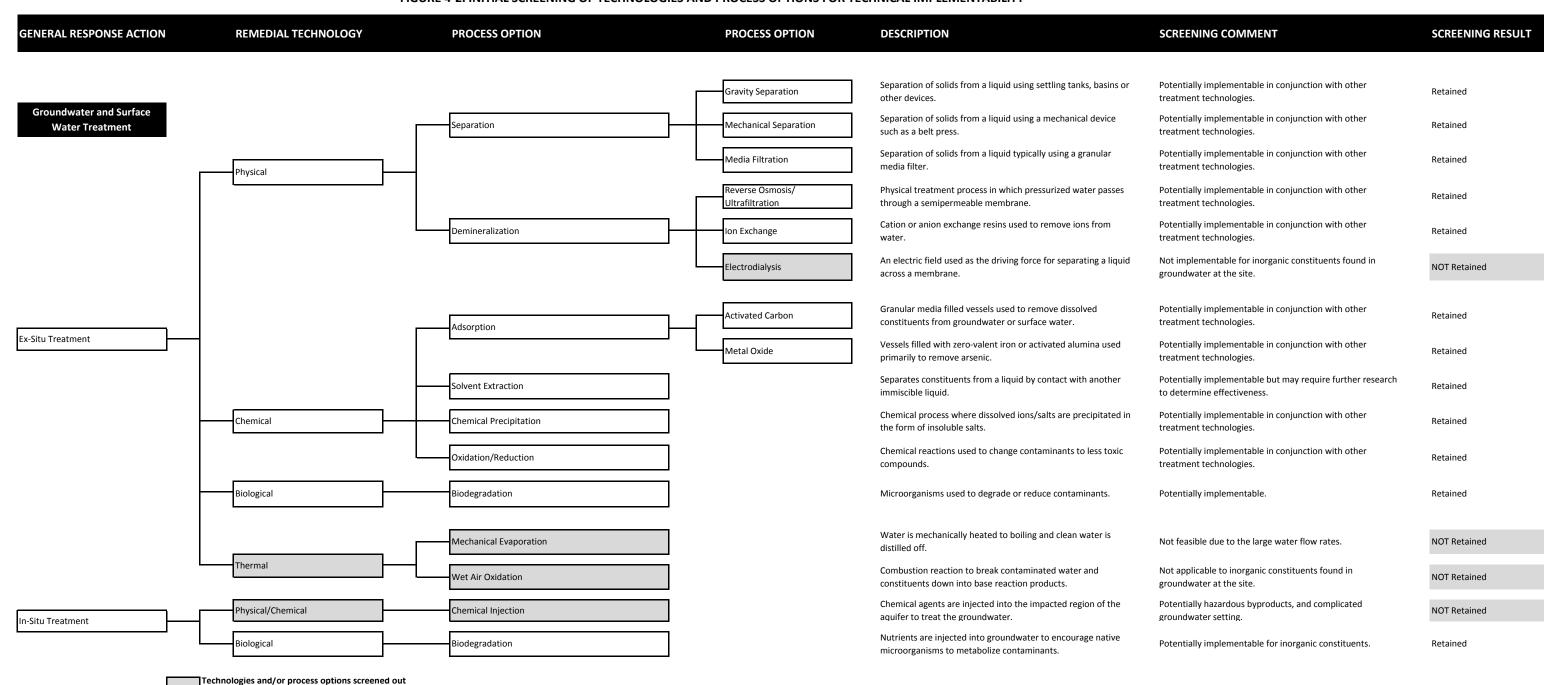


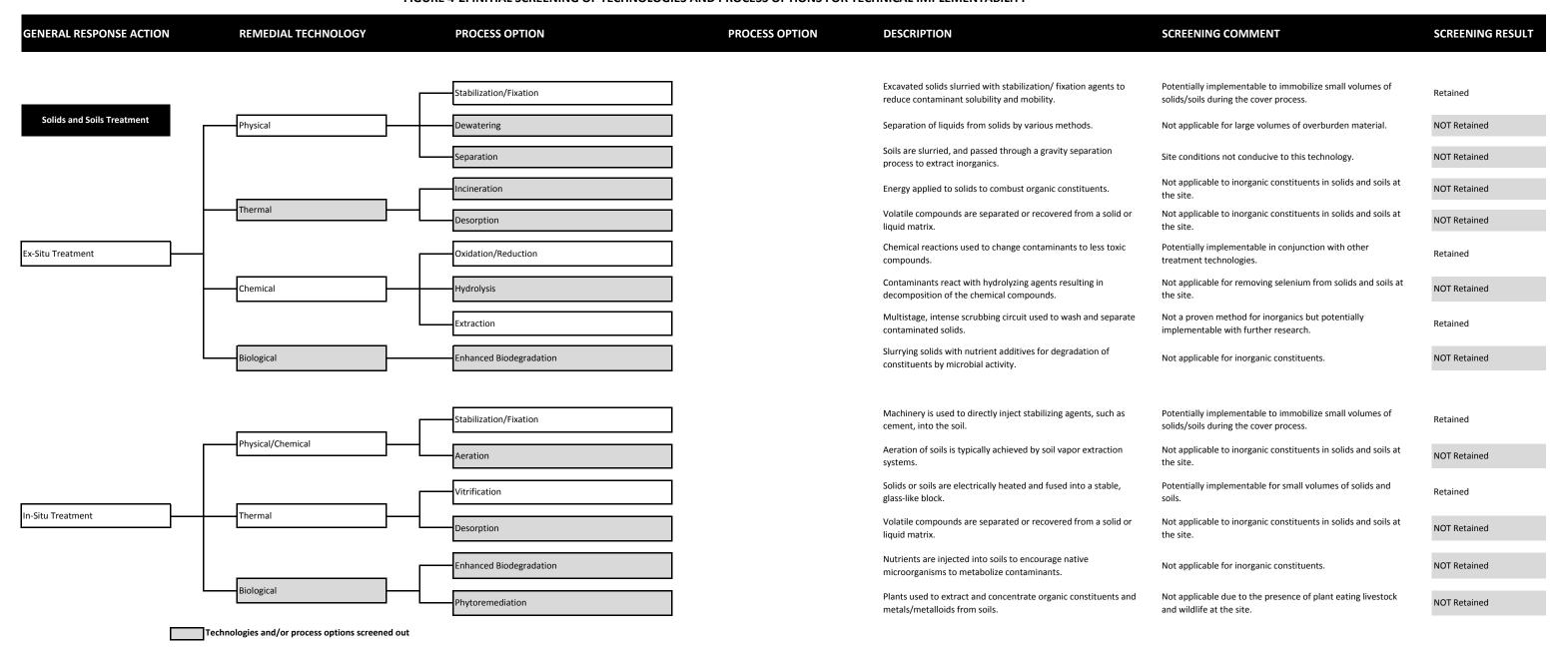












#### FIGURE 4-3. EVALUATION OF PROCESS OPTIONS FOR EFFECTIVENESS, IMPLEMENTABILITY, AND RELATIVE COST

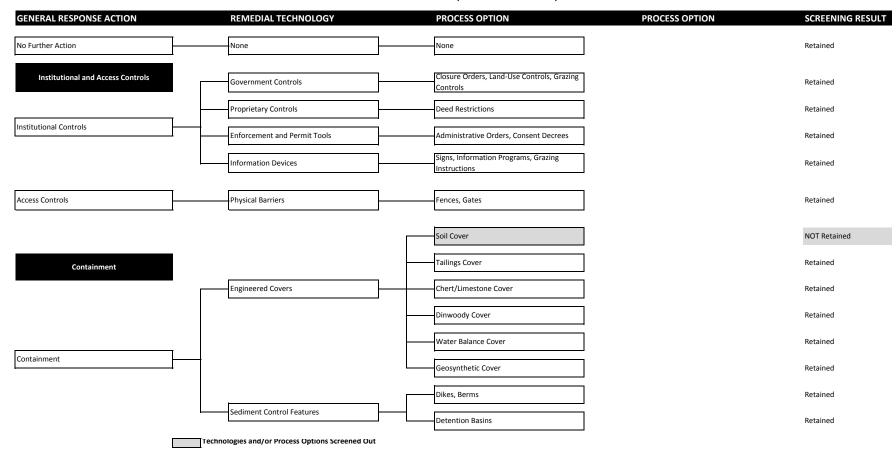
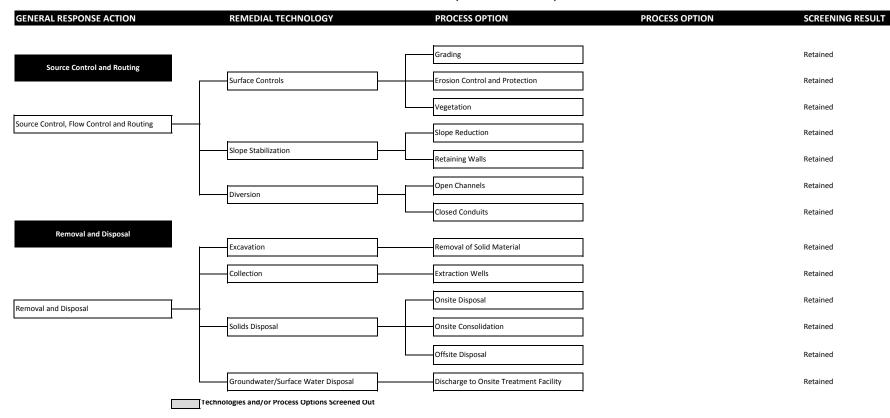
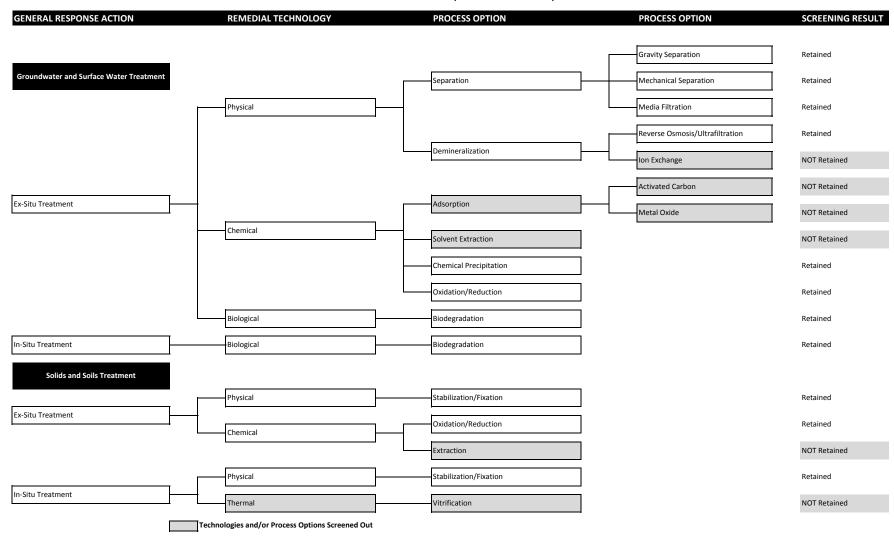


FIGURE 4-3. EVALUATION OF PROCESS OPTIONS FOR EFFECTIVENESS, IMPLEMENTABILITY, AND RELATIVE COST



#### FIGURE 4-3. EVALUATION OF PROCESS OPTIONS FOR EFFECTIVENESS, IMPLEMENTABILITY, AND RELATIVE COST



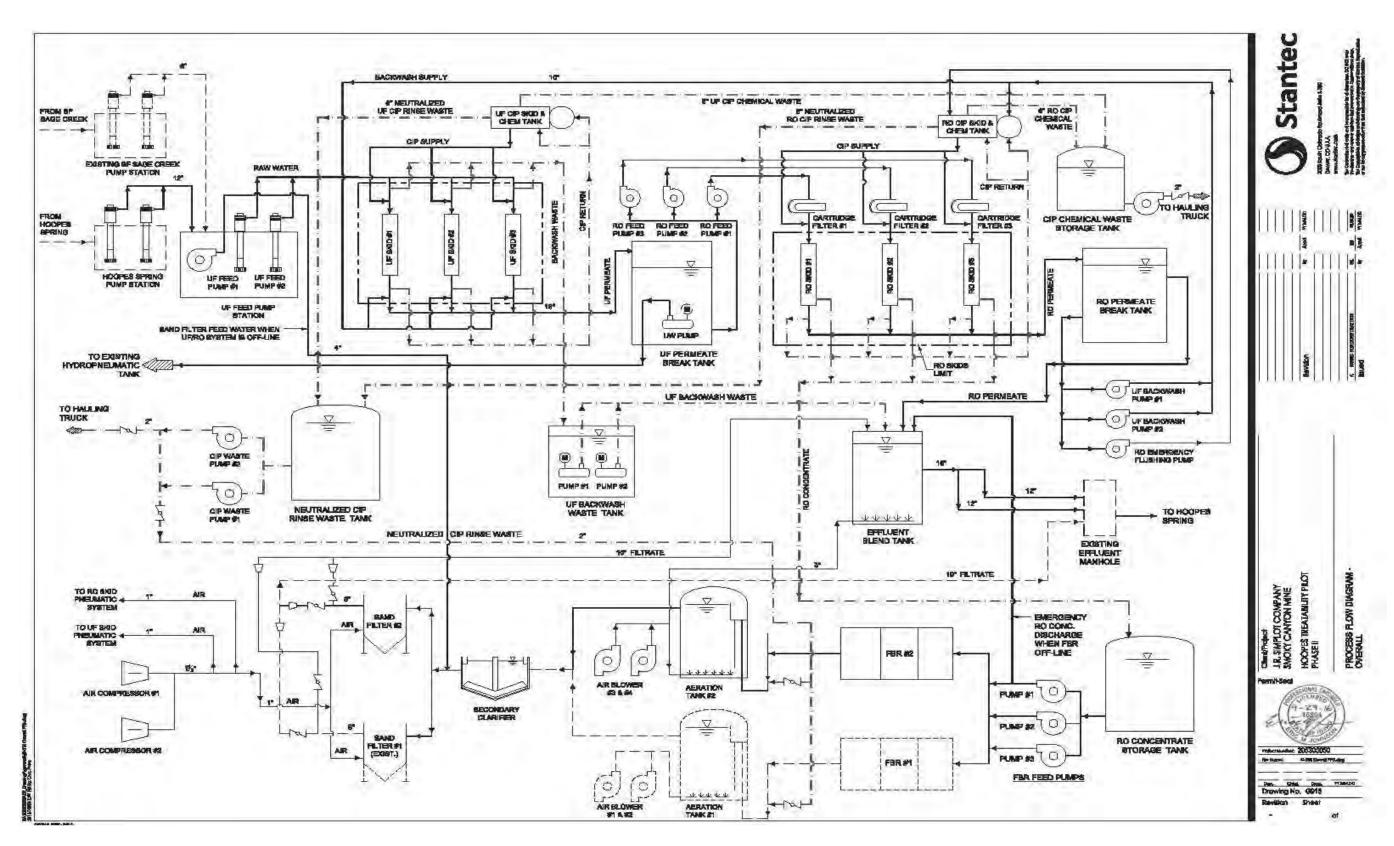


Figure 5-1. Hoopes Treatability Pilot Phase II Process Flow Diagram